

(FP04281)

Japanese Utility Model Publication No. **HEI 6-669** discloses a hydraulic shock absorber in which,

a cylinder has a check valve at its lower inside end allowing fluid flow from the out side,

a piston rod is slidably housed in the cylinder and inserted in the cylinder,

a piston is provided at the end portion of the piston rod,

the piston divides to form an upper oil chamber and a lower oil chamber in the cylinder,

fluid in the lower oil chamber flows out to a reservoir chamber located outside of the cylinder via the upper oil chamber, during the compression side process which the piston goes down in the cylinder, wherein;

an expansion side damping valve and a compression side damping valve are provided in the piston,

a bypass passage is formed to communicate the upper oil chamber and the reservoir chamber side in the piston rod,

an open valve is provided in the bypass passage, which works by oil pressure in the lower oil chamber during the compression process which the piston goes down in the cylinder so as to open the upper oil chamber to the bypass passage.